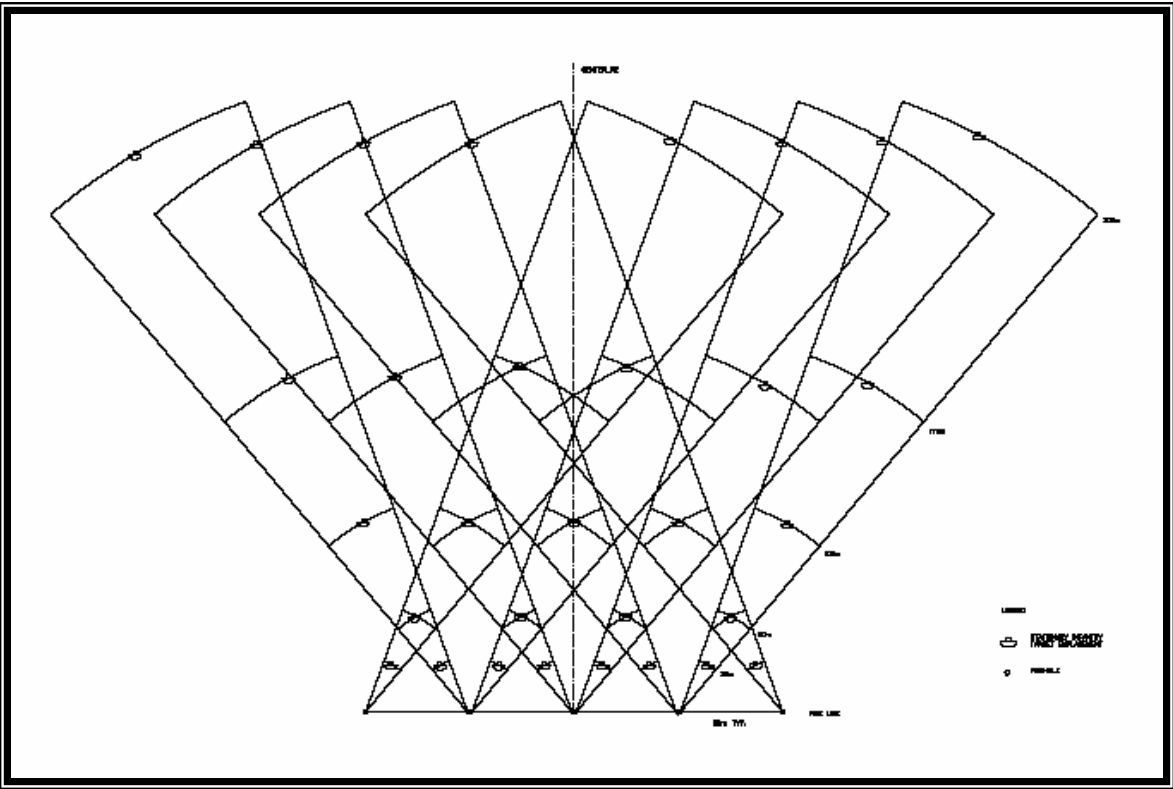


SQUAD DEFENSE RANGE (SDR)	NARRATIVE DESCRIPTION
1	1. SDR 1: The first range of the SDR, covering the area from the front of the squad to the first defensive line.
2	2. SDR 2: The second range of the SDR, covering the area from the first defensive line to the second defensive line.
3	3. SDR 3: The third range of the SDR, covering the area from the second defensive line to the third defensive line.
4	4. SDR 4: The fourth range of the SDR, covering the area from the third defensive line to the fourth defensive line.
5	5. SDR 5: The fifth range of the SDR, covering the area from the fourth defensive line to the fifth defensive line.
6	6. SDR 6: The sixth range of the SDR, covering the area from the fifth defensive line to the sixth defensive line.
7	7. SDR 7: The seventh range of the SDR, covering the area from the sixth defensive line to the seventh defensive line.
8	8. SDR 8: The eighth range of the SDR, covering the area from the seventh defensive line to the eighth defensive line.
9	9. SDR 9: The ninth range of the SDR, covering the area from the eighth defensive line to the ninth defensive line.
10	10. SDR 10: The tenth range of the SDR, covering the area from the ninth defensive line to the tenth defensive line.
11	11. SDR 11: The eleventh range of the SDR, covering the area from the tenth defensive line to the eleventh defensive line.
12	12. SDR 12: The twelfth range of the SDR, covering the area from the eleventh defensive line to the twelfth defensive line.
13	13. SDR 13: The thirteenth range of the SDR, covering the area from the twelfth defensive line to the thirteenth defensive line.
14	14. SDR 14: The fourteenth range of the SDR, covering the area from the thirteenth defensive line to the fourteenth defensive line.
15	15. SDR 15: The fifteenth range of the SDR, covering the area from the fourteenth defensive line to the fifteenth defensive line.
16	16. SDR 16: The sixteenth range of the SDR, covering the area from the fifteenth defensive line to the sixteenth defensive line.
17	17. SDR 17: The seventeenth range of the SDR, covering the area from the sixteenth defensive line to the seventeenth defensive line.
18	18. SDR 18: The eighteenth range of the SDR, covering the area from the seventeenth defensive line to the eighteenth defensive line.
19	19. SDR 19: The nineteenth range of the SDR, covering the area from the eighteenth defensive line to the nineteenth defensive line.
20	20. SDR 20: The twentieth range of the SDR, covering the area from the nineteenth defensive line to the twentieth defensive line.
21	21. SDR 21: The twenty-first range of the SDR, covering the area from the twentieth defensive line to the twenty-first defensive line.
22	22. SDR 22: The twenty-second range of the SDR, covering the area from the twenty-first defensive line to the twenty-second defensive line.
23	23. SDR 23: The twenty-third range of the SDR, covering the area from the twenty-second defensive line to the twenty-third defensive line.
24	24. SDR 24: The twenty-fourth range of the SDR, covering the area from the twenty-third defensive line to the twenty-fourth defensive line.
25	25. SDR 25: The twenty-fifth range of the SDR, covering the area from the twenty-fourth defensive line to the twenty-fifth defensive line.
26	26. SDR 26: The twenty-sixth range of the SDR, covering the area from the twenty-fifth defensive line to the twenty-sixth defensive line.
27	27. SDR 27: The twenty-seventh range of the SDR, covering the area from the twenty-sixth defensive line to the twenty-seventh defensive line.
28	28. SDR 28: The twenty-eighth range of the SDR, covering the area from the twenty-seventh defensive line to the twenty-eighth defensive line.
29	29. SDR 29: The twenty-ninth range of the SDR, covering the area from the twenty-eighth defensive line to the twenty-ninth defensive line.
30	30. SDR 30: The thirtieth range of the SDR, covering the area from the twenty-ninth defensive line to the thirtieth defensive line.
31	31. SDR 31: The thirty-first range of the SDR, covering the area from the thirtieth defensive line to the thirty-first defensive line.
32	32. SDR 32: The thirty-second range of the SDR, covering the area from the thirty-first defensive line to the thirty-second defensive line.
33	33. SDR 33: The thirty-third range of the SDR, covering the area from the thirty-second defensive line to the thirty-third defensive line.
34	34. SDR 34: The thirty-fourth range of the SDR, covering the area from the thirty-third defensive line to the thirty-fourth defensive line.
35	35. SDR 35: The thirty-fifth range of the SDR, covering the area from the thirty-fourth defensive line to the thirty-fifth defensive line.
36	36. SDR 36: The thirty-sixth range of the SDR, covering the area from the thirty-fifth defensive line to the thirty-sixth defensive line.
37	37. SDR 37: The thirty-seventh range of the SDR, covering the area from the thirty-sixth defensive line to the thirty-seventh defensive line.
38	38. SDR 38: The thirty-eighth range of the SDR, covering the area from the thirty-seventh defensive line to the thirty-eighth defensive line.
39	39. SDR 39: The thirty-ninth range of the SDR, covering the area from the thirty-eighth defensive line to the thirty-ninth defensive line.
40	40. SDR 40: The fortieth range of the SDR, covering the area from the thirty-ninth defensive line to the fortieth defensive line.
41	41. SDR 41: The forty-first range of the SDR, covering the area from the fortieth defensive line to the forty-first defensive line.
42	42. SDR 42: The forty-second range of the SDR, covering the area from the forty-first defensive line to the forty-second defensive line.
43	43. SDR 43: The forty-third range of the SDR, covering the area from the forty-second defensive line to the forty-third defensive line.
44	44. SDR 44: The forty-fourth range of the SDR, covering the area from the forty-third defensive line to the forty-fourth defensive line.
45	45. SDR 45: The forty-fifth range of the SDR, covering the area from the forty-fourth defensive line to the forty-fifth defensive line.
46	46. SDR 46: The forty-sixth range of the SDR, covering the area from the forty-fifth defensive line to the forty-sixth defensive line.
47	47. SDR 47: The forty-seventh range of the SDR, covering the area from the forty-sixth defensive line to the forty-seventh defensive line.
48	48. SDR 48: The forty-eighth range of the SDR, covering the area from the forty-seventh defensive line to the forty-eighth defensive line.
49	49. SDR 49: The forty-ninth range of the SDR, covering the area from the forty-eighth defensive line to the forty-ninth defensive line.
50	50. SDR 50: The fiftieth range of the SDR, covering the area from the forty-ninth defensive line to the fiftieth defensive line.



Purpose: The information in this document is based on TC 25-8 Training Ranges dated 5 April 2004, FCC 17893. The Squad Defense Range is used to teach the soldier the principles of day and night defense. This range is used to train, test, and evaluate individuals, buddy teams, fire teams, and squads on employing mutually supporting fires from defensive positions against stationary infantry targets. It is also used to train soldiers to identify sectors of fire, and to prepare range cards / sector sketches.

Firing Line: The width of the firing line is 100m with a distance of 50m between fighting positions. Five 2-soldier fighting positions are emplaced along the firing line. Firing positions should be on slightly elevated ground and designated with numbered markers. The standard fighting positions, drawing CD-09, are shown in the Civil Details in the Appendix of this document.

Downrange Area:

Layout. Refer to the Layout Details in the Appendix of this document for a typical Squad Defense Range layout. The target locations are determined by developing a “sketch card” based on the overlapping fires requirements from the firing points in the fighting positions. Target mechanism placements must conform as closely as possible to the established distances, but may vary by ± 1 meter in order to avoid undesirable locations such as depressions or drainage.

Squad Defense Range Layout

Targets. The target layout for the SDR consists of 5 rows of targets at ranges of:

25m	8 SITs
50m	4 SITs
100m	5 SITs
200m	6 SITs
300m	8 SITs

Each firing point in the fighting position must be able to engage 6-7 targets within its sector.

Primary features include:

5	Two-soldier fighting positions
31	Stationary Infantry Targets

Targetry: All targets are fully automated and the event specific target scenario is computer driven and scored from the range operations center. The range operating system is fully capable of providing immediate performance feedback to the using participants.

Associated Range Operations and Control facilities:

Standard Small Arms ROCA Facilities except:
Range Operations Center (ROC)- Small (17123) replaced by ROC-Tower

Requirement Document:

FM 7-8 Infantry Rifle Platoon and Squad
TC 7-9 Infantry Live Fire Training

Additional Information: Each defensive position will have a right and a left sector of fire. In Fighting Position 1 there will not be a left side firing point. In Fighting Position 5 there will not be a right side firing point.